

# MATERIAL SAFETY DATA SHEET

<b>SECTION 1 -- PRODUCT IDENTIFICATION AND USE</b>				
<b>PRODUCT</b> Cooke Slug-N-Snail Granules Lilly Miller Go-West Meal Kills Slugs, Snails and Listed Insects Lilly Miller Grasshopper Earwig, Cutworm & Sowbug Bait Kills Slugs and Snails Lilly Miller Slug, Snail & Insect Killer Bait <b>IDENTIFIER</b> EPA REG. NO. 8119-5			<b>PRODUCT IDENTIFICATION</b>        <b>NUMBER (PIN)</b>	
<b>PRODUCT USE</b> DRY SLUG, SNAIL AND INSECT CONTROL				
<b>MANUFACTURER'S NAME</b> E.M. MATSON, JR. CO., INC.			<b>SUPPLIER'S NAME</b> Lilly Miller Brands	
<b>STREET ADDRESS</b> PO BOX 1820			<b>STREET ADDRESS</b> 16201 SE 98th	
<b>CITY</b> NORTH BEND	<b>STATE</b> WA		<b>CITY</b> Clackamas	<b>STATE</b> OR
<b>POSTAL CODE</b> 98045	<b>EMERGENCY TELEPHONE NUMBER</b> 1-800-858-7378		<b>POSTAL CODE</b> 97015	
<b>SECTION 2 -- HAZARDOUS INGREDIENTS</b>				
<b>HAZARDOUS INGREDIENTS</b>	<b>%</b>	<b>CAS NUMBER</b>	<b>LD<sub>50</sub> OF INGREDIENT</b>	<b>LC<sub>50</sub> OF INGREDIENT</b>
METALDEHYDE	2%	9002-91-9	N/A	N/A
CARBARYL**	5%	63-25-2	N/A	N/A
ACETALDEHYDE	****	75-07-0	N/A	N/A
****LESS THAN .1%		**1-NAPHTHALENOL, METHYL CARBAMATE		
<b>SECTION 3 -- PHYSICAL DATA</b>				
<b>PHYSICAL STATE</b> DRY, GRANULAR MEAL	<b>ODOR AND APPEARANCE</b> TAN, GRANULAR MEAL - ODOR OF GRAIN		<b>ODOR THRESHOLD (PPM)</b> N/A	
<b>VAPOR PRESSURE</b> (mm Hg)    N/A	<b>VAPOR DENSITY</b> (AIR=1)    N/A	<b>EVAPORATION RATE</b> N/A	<b>BOILING POINT (°C)</b> N/A	
<b>pH</b> N/A	<b>SPECIFIC GRAVITY</b> N/A	<b>COEFF. WATER/OIL DIST.</b> N/A	<b>FREEZING POINT (°C)</b> N/A	
<b>SECTION 4 -- FIRE AND EXPLOSION DATA</b>				
<b>FLAMMABILITY</b> IF YES, UNDER WHICH CONDITIONS? <div style="display: flex; justify-content: space-between;"> <span>[ X ] YES    [ ] NO</span> <span>AS WITH ANY POWDERED ORGANIC COMPOUNDS, DUST EXPLOSIONS MAY BE POSSIBLE BUT NOT LIKELY.</span> </div>				
<b>MEANS OF EXTINCTION</b>				

DRY CHEMICAL, WATER, CO<sub>2</sub>

<b>FLASHPOINT (°C) AND METHOD</b> N/A	<b>UPPER FLAMMABLE LIMIT</b> (% BY VOLUME) N/A	<b>LOWER FLAMMABLE LIMIT</b> (% BY VOLUME) N/A
<b>AUTOIGNITION TEMPERATURE (°C)</b> N/A	<b>HAZARDOUS COMBUSTION PRODUCTS -</b> OXIDES OF NITROGEN AND CARBON, METHYL ISOCYANATE, TOXIC VAPORS / FUMES OF PARALDEHYDE AND ACETALDEHYDE.	
<b>EXPLOSION DATA</b> N/A	<b>SENSITIVITY TO IMPACT</b> N/A	<b>SENSITIVITY TO STATIC DISCHARGE</b> N/A

## SECTION 5 -- REACTIVITY DATA

<b>CHEMICAL STABILITY</b> [ x ] YES      [   ] NO	<b>IF NO, UNDER WHICH CONDITIONS?</b>	
<b>INCOMPATIBILITY WITH OTHER SUBSTANCES</b> [ x ] YES      [   ] NO	<b>IF SO, WHICH ONES?</b> OXIDIZING AGENTS, STRONG ACIDS, BASES	
<b>REACTIVITY, AND UNDER WHAT CONDITIONS</b> HEAT (DECOMPOSITION PRODUCTS OF METALDEHYDE ARE PARALDEHYDE AND ACETALDEHYDE, OF WHICH THE TOXICITY IS KNOWN. ACETALDEHYDE MAY BE OXIDIZED TO ACETIC ACID WHICH MAY CATALYZE THE DECOMPOSITION OF METALDEHYDE.) AVOID EXTREME HEAT AND OPEN FLAME.		
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b> THERMAL DECOMPOSITION MAY PRODUCE TOXIC VAPORS/ FUMES OF PARALDEHYDE, ACETALDEHYDE, OTHER ORGANIC MATERIALS AND OXIDES OF CARBON AND NITROGEN. ALSO, METHYL ISOCYANATE MAY BE PRODUCED.		

## SECTION 6 -- TOXICOLOGICAL PROPERTIES

<b>ROUTE OF ENTRY</b> SKIN CONTACT [ X ] SKIN ABSORPTION [ X ] EYE CONTACT [ X ] INHALATION [ X ] INGESTION [ X ]			
<b>EFFECTS OF ACUTE EXPOSURE TO PRODUCT</b> METALDEHYDE - SALIVATION, VOMITING, NAUSEA, ACETONURIA, CONVULSIONS, INCREASED BODY TEMPERATURE, DEPRESSION OF MEDULLARY, RESPIRATORY AND VASOMOTOR CONTROL CENTERS, COMA. MAY BE FATAL. OVEREXPOSURE MAY AGGRAVATE EXISTING LIVER, KIDNEY AND BRAIN CONDITIONS. CARBARYL - MAY BE FATAL IF SWALLOWED. CAUSES REVERSIBLE CHOLINESTERASE INHIBITION. REPEATED OVEREXPOSURE MAY CAUSE MORE SEVERE CHOLINESTERASE INHIBITION WITH MORE PRONOUNCED SIGNS AND SYMPTOMS. MAY LEAD TO RAPID ONSET OF NAUSEA, VOMITING, DIARRHEA, ABDOMINAL PAIN, INVOLUNTARY SHAKING, EXCESS SALIVATION, PINPOINT PUPILS, BLURRED VISION, PROFUSE SWEATING, TEMPORARY PARALYSIS, RESPIRATORY DEPRESSION, CONVULSIONS. CAUSES EYE REDNESS, IRRITATION AND TEARING.			
<b>EFFECTS OF CHRONIC EXPOSURE TO PRODUCT</b> OVEREXPOSURE MAY AGGRAVATE EXISTING LIVER, KIDNEY AND BRAIN CONDITIONS. INHALATION OF PRODUCT MAY AGGRAVATE EXISTING CHRONIC RESPIRATORY PROBLEMS SUCH AS ASTHMA, EMPHYSEMA OR BRONCHITIS. SKIN CONTACT MAY AGGRAVATE EXISTING SKIN DISEASE.			
<b>EXPOSURE LIMITS</b> N/A	<b>IRRITANCY OF PRODUCT</b> N/A	<b>SENSITIZATION TO PRODUCT</b> N/A	<b>CARCINOGENICITY</b> YES - ACETALDEHYDE
<b>TERATOGENICITY</b> N/A	<b>REPRODUCTIVE TOXICITY</b> N/A	<b>MUTAGENICITY</b> N/A	<b>SYNERGISTIC PRODUCTS</b> N/A

## SECTION 7 -- PREVENTATIVE MEASURES

### PERSONAL PROTECTIVE EQUIPMENT

**GLOVES (SPECIFY)**

LATEX OR RUBBER

**RESPIRATOR (SPECIFY)**NOT GENERALLY NEEDED FOR  
OUTDOOR USE**EYE (SPECIFY)**SAFETY GLASSES WITH SIDE  
SHIELDS**FOOTWEAR (SPECIFY)**

N/A

**CLOTHING (SPECIFY)**

LONG SLEEVED SHIRT

**OTHER (SPECIFY)**

N/A

**ENGINEERING CONTROLS (SPECIFY, EG. VENTILATION, ENCLOSED PROCESS)**

N/A

**LEAK AND SPILL PROCEDURE**

CAREFULLY SHOVEL SPILLS INTO APPROPRIATE CONTAINERS FOR DISPOSAL. AVOID GENERATING DUST. WET RESIDUE WITH WATER AND ABSORB WITH INERT MATERIAL (SAND, EARTH, ETC.) AND TRANSFER INTO APPROPRIATE CONTAINERS FOR RECOVERY OR DISPOSAL. KEEP SPILL OUT OF SEWERS AND OPEN BODIES OF WATER.

**WASTE DISPOSAL**

DO NOT REUSE CARTON. DISCARD CARTON IN TRASH. SECURELY WRAP ORIGINAL CONTAINER IN SEVERAL LAYERS OF NEWSPAPER AND DISCARD IN TRASH. DISPOSE OF IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

**HANDLING PROCEDURES AND EQUIPMENT**

N/A

**STORAGE REQUIREMENTS**

STORE IN A COOL, DRY, LOCKED LOCATION OUT OF DIRECT SUNLIGHT, IN ORIGINAL CONTAINER AND NOT ACCESSIBLE TO CHILDREN OR PETS. AVOID CONTAMINATION OF FEED AND FOODSTUFFS.

**SPECIAL SHIPPING INFORMATION**

N/A

## SECTION 8 -- FIRST AID MEASURES

**EYES** - HOLD EYELIDS OPEN AND FLUSH WITH A STEADY, GENTLE STREAM OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION.

**SKIN** - IN CASE OF CONTACT, IMMEDIATELY WASH WITH PLENTY OF SOAP AND WATER FOR AT LEAST 5 MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. REMOVE CONTAMINATED CLOTHING AND SHOES. CLEAN CONTAMINATED CLOTHING AND SHOES BEFORE RE-USE.

**INGESTION** - IF SWALLOWED, IMMEDIATELY GIVE 3-4 GLASSES OF WATER. DO NOT INDUCE VOMITING. IF VOMITING OCCURS AND VICTIM IS CONSCIOUS, GIVE FLUIDS AGAIN. GET IMMEDIATE MEDICAL ATTENTION. DO NOT LEAVE VICTIM UNATTENDED. VOMITING MAY OCCUR SPONTANEOUSLY. TO PREVENT ASPIRATION OF SWALLOWED PRODUCT, LAY VICTIM ON SIDE WITH HEAD LOWER THAN WAIST. HAVE PHYSICIAN DETERMINE IF PATIENT'S CONDITION ALLOWS INDUCTION OF VOMITING OR EVACUATION OF STOMACH. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

METALDEHYDE - NOTE TO PHYSICIAN - ACCORDING TO HSDB, ADMINISTRATION OF DIAZEPAM OR CLONIDINE 20 MINUTES AFTER INGESTION OF 1000 MG/KG BY MICE DELAYED THE ONSET OF SYMPTOMS AND REDUCED MORTALITY. THEREFORE, DIAZEPAM AND CLONIDINE MAY BE APPROPRIATE ANTIDOTES TO REDUCE THE SYMPTOMATOLOGY OF METALDEHYDE INGESTION.

CARBARYL - NOTE TO PHYSICIAN - ALL TREATMENTS SHOULD BE BASED ON OBSERVED SIGNS AND SYMPTOMS OF DISTRESS IN THE PATIENT. THIS PRODUCT CONTAINS METHYL CARBAMATE INSECTICIDE, WHICH IS A

CHOLINESTERASE INHIBITOR. OVEREXPOSURE TO THIS SUBSTANCE MAY CAUSE TOXIC SIGNS AND SYMPTOMS DUE TO STIMULATION OF THE CHOLINERGIC NERVOUS SYSTEM. THESE EFFECTS OF OVEREXPOSURE ARE SPONTANEOUSLY AND RAPIDLY REVERSIBLE.

**INHALATION** - REMOVE VICTIM FROM IMMEDIATE SOURCE OF EXPOSURE AND ASSURE THAT THE VICTIM IS BREATHING. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN, IF AVAILABLE. IF VICTIM IS NOT BREATHING, ADMINISTER CPR (CARDIO-PULMONARY RESUSCITATION). SEEK MEDICAL ATTENTION.

## **SECTION 9 -- PREPARATION DATE OF MSDS**

PREPARED BY - DAVE GRASSMAN/SSD

PHONE - 425-888-6212

DATE - JANUARY 1, 2000